

0-36-600327-2

15 September 1966

TYPE II SYSTEM  
CONTRACT O-TM-483

Subject: Configuration Exposure - V/H Programming

Reference: Field Reports and [ ] Discussions

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PROBLEM:

Due to the late scheduled availability of mission programming information (recent change noted [ ] the package exposure and V/H program has to be set after the equipment is installed in the Q Bay and does not permit adequate checkout with ground test equipment.

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DISCUSSION:

In the continuing effort to compress the Article make-ready schedule, the configuration shall be installed in the Q Bay before the mission exposure - V/H program information is available. Experience has also shown that on numerous occasions, the flight does not depart at the time of the original schedule, and the exposure program has to be reset. In both instances, work is required on the Programmer Module (located in the upper hatch) which was not designed for ease of change following installation. The first problem is one of getting to the module to make changes and the second is one of not being able to satisfactorily re-check the system following the programming change. The major item of concern is the possible reduction in reliability should we continue to program the system, or change the program, after the configuration equipment is installed in the Article.

CONCLUSIONS:

The Type II configuration is not designed to facilitate programming changes after the equipment has been installed in the Article.

If there is a [ ] requirement to include the capability of changing the exposure - V/H program after the package has been installed in the Q Bay, then this capability must be designed into the system.

ATTACHMENT 2

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RECOMMENDATION:

With regard to equipment reliability and good check-out procedures, Type II would recommend that the Programmer be re-designed to allow for programming changes after the package has been installed. However, we do caution that this modification is considered major and may go beyond the time-cost estimated.

R.O.M. TIME-COST ESTIMATE:

Addition of the capability to program exposure - V/H  
after the equipment is installed would require a minimum of 6 months



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ATTACHMENT 2